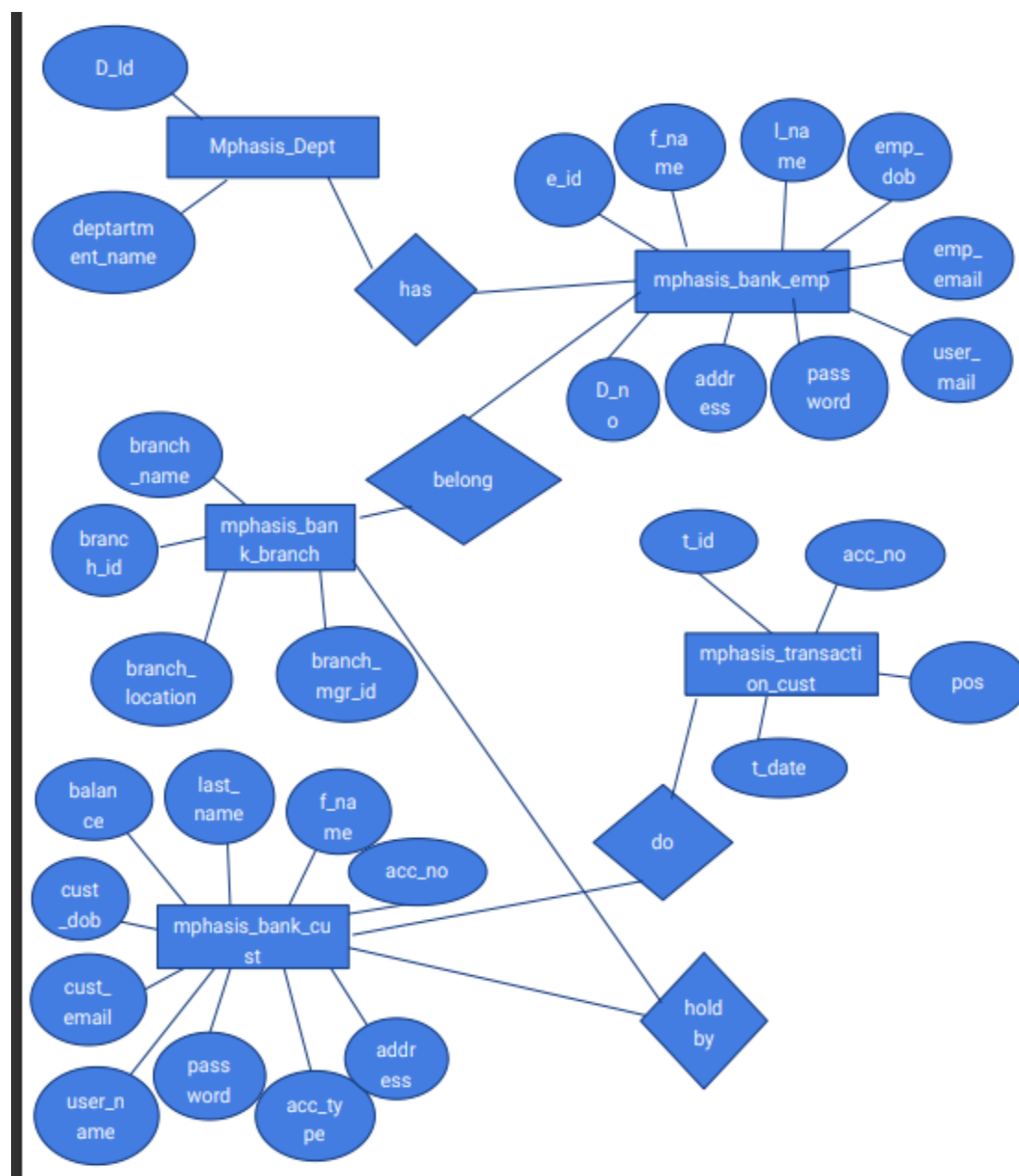


MPHESIS BANK SCHEMA

ER DIAGRAM



CREATING SCHEMA:

Step1:-Connect to data base

Conn system/password;

Step2:-Create new user in oracle

Create user bank identified by mphasis123;

step3:-Grant permission

Grant dba to bank;

step4:-Disconnect to system and connect to new user

Conn bank/mphasis123;

Step5:-Create mphasis_dept table

```
CREATE TABLE MPHASIS_DEPT (D_ID NUMBER PRIMARY  
KEY,DEPARTMENT_NAME VARCHAR2(20));
```

```
insert into MPHASIS_DEPT values(1,'deposit');
```

```
insert into MPHASIS_DEPT values(2,'loan');
```

```
Select * from mphasis_dept;
```

```
SQL> select * from mphasis_dept;
```

D_ID	DEPARTMENT_NAME
1	deposit
2	loan

Step6:-Create mphasis_bank_emp table and sequence

```
CREATE TABLE MPHASIS_BANK_EMP (  
  E_ID NUMBER PRIMARY KEY,  
  F_NAME VARCHAR2 (20),  
  L_NAME VARCHAR2 (20),  
  EMP_DOB VARCHAR2 (20),  
  EMP_EMAIL VARCHAR2 (30),  
  USER_NAME VARCHAR2 (20) UNIQUE NOT NULL,  
  PASSWORD CHAR (32),  
  ADDRESS VARCHAR2 (40),  
  D_NO NUMBER,  
  CONSTRAINT FK_DEPT_ID FOREIGN KEY (D_NO)  
  REFERENCES MPHASIS_DEPT (D_ID));
```

```
CREATE SEQUENCE EMPLOYEE_ID_SEQ  
START WITH 1  
INCREMENT BY 1;
```

```
INSERT INTO MPHASIS_BANK_EMP VALUES  
(EMPLOYEE_ID_SEQ.NEXTVAL,'HARIKA','Y',TO_DATE ('01/01/1990  
22:30:50', 'DD/MM/YYYY HH24:MI:SS'),  
' HARIKA @ MAIL.COM ', 'HARIKA', 'HARIKA123', 'RJY', 1);  
INSERT INTO MPHASIS_BANK_EMP VALUES  
(EMPLOYEE_ID_SEQ.NEXTVAL, 'dileep', 'k', TO_DATE ('01/01/1990  
22:30:50', 'DD/MM/YYYY HH24:MI:SS'), 'dileep@GMAIL.COM', 'dileep',  
'dileep123', 'kkd', 2);
```

```
INSERT INTO MPHASIS_BANK_EMP VALUES  
(EMPLOYEE_ID_SEQ.NEXTVAL, 'vasavi', 'l', TO_DATE ('01/01/1990  
22:30:50', 'DD/MM/YYYY HH24:MI:SS'), 'vasavi@GMAIL.COM', 'vasavi',
```

'vaasavi123','hyd',1);

Select * from MPHASIS_BANK_EMP;

```
SQL> select * from mphasis_bank_emp;
```

E_ID	F_NAME	L_NAME	D_NO	EMP_DOB	EMP_EMAIL	USER_NAME	PASSWORD	ADDRESS
21	HARIKA	Y	1	01-JAN-90	HARIKA@MAIL.COM	HARIKA	HARIKA123	RJY
22	dileep	k	2	01-JAN-90	dileep@GMAIL.COM	dileep	dileep123	kkd
23	vasavi	l	1	01-JAN-90	vasavi@GMAIL.COM	vasavi	vaasavi123	hyd

Step7:-create mphasis_bank_branch table and sequence

```
CREATE TABLE MPHASIS_BANK_BRANCH (  
  BRANCH_ID NUMBER PRIMARY KEY,  
  BRANCH_NAME VARCHAR2 (50),  
  BRANCH_LOCATION VARCHAR2 (50),  
  BRANCH_MGR_ID NUMBER,  
  CONSTRAINT FK_BRANCH_MGR FOREIGN KEY  
  (BRANCH_MGR_ID) REFERENCES MPHASIS_BANK_EMP (E_ID));
```

```
CREATE SEQUENCE BRANCH_ID_SEQ  
START WITH 103  
INCREMENT BY 1;  
INSERT INTO MPHASIS_BANK_BRANCH VALUES  
(101,'kukatpally','hyderabad',21);
```

```
INSERT INTO MPHASIS_BANK_BRANCH VALUES  
(102,'madhapur','hyderabad',22);
```

```
INSERT INTO MPHASIS_BANK_BRANCH VALUES  
(BRANCH_ID_SEQ.NEXTVAL,'ameerpet','hyderabad',23);
```

```
INSERT INTO MPHASIS_BANK_BRANCH VALUES  
(BRANCH_ID_SEQ.NEXTVAL,'jublihillis','hyderabad',22);
```

```
Select * from MPHASIS_BANK_BRANCH;
```

```
SQL> select * from mphasis_bank_branch;
```

BRANCH_ID	BRANCH_NAME	BRANCH_LOCATION	BRANCH_MGR_ID
101	kukatpally	hyderabad	21
102	madhapur	hyderabad	22
103	ameerpet	hyderabad	23
104	jublihillis	hyderabad	22

Step 8:-Create mphasis_bank_cust table and sequence

```
CREATE TABLE MPHASIS_BANK_CUST (  
ACCOUNT_NO NUMBER,  
F_NAME VARCHAR2 (20),  
L_NAME VARCHAR2 (20),  
CUST_DOB DATE,  
CUST_EMAIL VARCHAR2 (20),  
USER_NAME VARCHAR2 (20) UNIQUE NOT NULL,  
PASSWORD CHAR (32),  
ADDRESS VARCHAR2 (40),  
ACCOUNT_TYPE VARCHAR2 (20),  
BALLANCE NUMBER (7,2),  
DATE_CREATED DATE DEFAULT SYSDATE,  
CONSTRAINT PK_MPHASIS_BANK_CUST PRIMARY KEY  
(ACCOUNT_NO),  
CONSTRAINT MPHASIS_ACC_TYPE CHECK (ACCOUNT_TYPE IN  
('SAVINGS', 'FIXED DEPOSIT', 'LOAN')));
```

```
CREATE SEQUENCE CUST_ACCOUNT_SEQ  
START WITH 100  
INCREMENT BY 100;
```

```
INSERT INTO MPHASIS_BANK_CUST
VALUES(CUST_ACCOUNT_SEQ.NEXTVAL,'ram','k','14-jul-
1998','ram@gmail.com','ramm','ram123','hyderabad','SAVINGS',23000,'1
4-dec-2020');
```

```
INSERT INTO MPHASIS_BANK_CUST
VALUES(CUST_ACCOUNT_SEQ.NEXTVAL,'ramya','y','18-sep-
1998','ramya@gmail.com','ramya','ramya123','hyderabad','SAVINGS',26
000,'14-dec-2020');
```

```
Select * from MPHASIS_BANK_CUST;
```

```
SQL> select * from mphasis_bank_cust;
```

ACCOUNT_NO	F_NAME	L_NAME	ACCOUNT_TYPE	CUST_DOB	CUST_EMAIL	USER_NAME	PASSWORD	ADDRESS
				BALLANCE	DATE_CREA			
2100	ram	k	SAVINGS	14-JUL-98	ram@gmail.com	ramm	ram123	hyderabad
				23000	14-DEC-20			
2200	ramya	y	SAVINGS	18-SEP-98	ramya@gmail.com	ramya	ramya123	hyderabad
				26000	14-DEC-20			

Step 8:- Create mphasis_transaction_cust table and sequences

```
CREATE TABLE MPHASIS_TRANSACTION_CUST (
T_ID NUMBER,
ACC_NO NUMBER,
POS NUMBER,
T_DATE DATE DEFAULT SYSDATE,
AMOUNT NUMBER (7,2),
CONSTRAINT PK_MPHASIS_TRANSACTION_CUST PRIMARY KEY
(T_ID),
CONSTRAINT FK_ACC_NO FOREIGN KEY (ACC_NO) REFERENCES
MPHASIS_BANK_CUST (ACCOUNT_NO));
```

```
CREATE SEQUENCE CUST_TRANSACTION_SEQ
START WITH 100
INCREMENT BY 1;
```

```
CREATE SEQUENCE CUST_TRANSACTION_POS_SEQ  
START WITH 10  
INCREMENT BY 10;
```

```
insert into MPHASIS_TRANSACTION_CUST values  
(CUST_TRANSACTION_SEQ.NEXTVAL,2100,CUST_TRANSACTION_  
POS_SEQ.NEXTVAL,'12-dec-2020',12000);
```

```
insert into MPHASIS_TRANSACTION_CUST values  
(CUST_TRANSACTION_SEQ.NEXTVAL,2200,CUST_TRANSACTION_  
POS_SEQ.NEXTVAL,'13-dec-2020',15000);
```

```
SELECT * FROM MPHASIS_TRANSACTION_CUST;
```

```
SQL> SELECT * FROM MPHASIS_TRANSACTION_CUST;
```

T_ID	ACC_NO	POS	T_DATE	AMOUNT
103	2100	40	12-DEC-20	12000
104	2200	50	13-DEC-20	15000

FORMS:-

MPHASIS DEPARTMENT

D_ID :

DEPARTMENT_NAME :

SUBMIT

MPHASIS BANK EMPLOYEE

E_ID :

F_NAME :

L_NAME :

EMP_DOB :

EMP_EMAIL :

USER_NAME :

PASSWORD :

ADDRESS :

D_NO :

SUBMIT

MPHASIS BANK BRANCH

Branch_id

Branch_Name

Branch_Location

Branch_Mgr_Id

SUBMIT



MPHASIS BANK CUSTOMER FORM

ACCOUNT_NO	<input type="text"/>
F_NAME	<input type="text"/>
L_NAME	<input type="text"/>
CUST_DOB	<input type="text"/>
CUST_EMAIL	<input type="text"/>
USER_NAME	<input type="text"/>
PASSWORD	<input type="password"/>
ADDRESS	<input type="text"/>
ACCOUNT_TYPE	<input type="text"/>
BALANCE	<input type="text"/>

submit

BANK TRANSACTION FORM

T_ID

ACC_NO

POS

T_DATE

AMOUNT

SUBMIT
